IN THE SPECIFICATION:

Please replace paragraph [00257] with the following paragraph:

[00257] To create a plasmid that could be used with the Gal4/VP16 amplification system the pECFP-Nitro coding sequence was inserted into the plasmid UAS->uncCFP. Both plasmids were digested with Afl II and Age I. The vector sequences of UAS-uncCFP and the coding sequences of pECFP-Nitro were purified by agarose gel electrophoresis, ligated and transformed into E. coli. Resulting colonies were screen for insertion of the ECFP-Nitro fusion sequences. A drawing of the resulting plasmid, UAS->unc-CFP-Nitro, is found in FIG. 5. This plasmid replaces the CMV promoter with 14 UAS repeats ~~of the~~ fused to a Carp β-actin core promoter (14X UAS, Koster and Fraser 2001). In addition a 188 amino acid localization tag from the unc-76 protein is fused to the N-terminus of ECFP-Nitro. This sequence localizes proteins preferentially to neurites allowing enhanced monitoring of neurons.